**References:**

[1] Song, Xin; Xiao, Jun PhD; Deng, Jiang PhD; Kang, et al. Time series analysis of   
 influenza incidence in Chinese provinces from 2004 to 2011. Received March 1,   
 2016, Accepted May 20, 2016, Medicine: June 2016 - Volume 95 - Issue 26 - p e3929

[2] Muhammad Ali, Dost Muhammad Khan, et al. Forecasting COVID-19 in Pakistan,   
 received: August 17, 2020; Accepted: November 10, 2020; Published: November 30,   
 2020.

[3] COVID-19: A Comparison of Time Series Methods to Forecast Percentage of Active   
 Cases per Population. Appl. Sci. 2020, 10(11), 3880; Received: 5 May 2020 /   
 Revised: 23 May 2020 / Accepted: 29 May 2020 / Published: 3 June 2020

[4] Christophorus Beneditto, Aditya Satrio et al. Time series analysis and forecasting of   
 coronavirus disease in Indonesia using ARIMA model and PROPHET,   
 https://doi.org/10.1016/j.procs.2021.01.036  
  
[5] Leo J, Luhanga E, Michael K. Machine Learning Model for Imbalanced Cholera   
 Dataset in Tanzania. The Scientific World Journal. 2019 Jul; 2019: p. 1–12.

[6] Emrah Gecili, Assem Ziady, Rhonda D. Szczesniak. Forecasting COVID-19   
 confirmed cases, deaths and recoveries: Revisiting established time series modeling   
 through novel applications for the USA and Italy. **Received:** June 30,   
 2020; **Accepted:** December 5, 2020; **Published:** January 7, 2021.  
  
[7] Sathler C, Luciano J. Predictive modeling of dengue fever epidemics: A Neural   
 Network Approach. 2017. Data Science for Drug Discovery, Health and Translational   
 Medicine. December 10, 2017. I590.

[8] Miranda GHB, Baetens JM, Bossuyt N, Bruno OM, Baets BD. Real-time prediction of influenza outbreaks in Belgium. Epidemics. 2019 Sep; 28: p. 100341.

[9] Muktevi Srivenkatesh, Performance Evolution of Different Machine Learning Algorithms for Prediction of Liver Disease. International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2, December 2019.

[10]       K. Koh, B. Kim & J. Seo. 2014. Effect of lateral chromatic aberration for chart   
 reading in information visualization on display devices. Advanced Visual Interfaces.   
 Como, Italy, 289-292.

[11]        H. S. Yoo. 2007. Color illusions on liquid crystal displays and design guidelines for   
 information visualization. Master of Science, Virginia Tech.

[12]        T. Boult & W. Wolberg. 1992. Correcting chromatic aberrations using image   
 warping. CVPR, Champaign, IL, 684–87.

[13]        M. K. Johnson & H. Farid. 2006. Exposing digital forgeries through chromatic   
 aberration. Multimedia and security, Geneva, Switzerland, 48-55.

[14]      M. Hullin, E. Eisemann H.P. Seidel & S. Lee. 2011. Physically-based real-time lens   
 flare rendering. ACM SIGGRAPH, Vancouver, 108:1–108:9.

[15]      S. Lee, E. Eisemann & H.P. Seidel. 2010. Real-time lens blur effects and focus   
 control. ACM SIGGRAPH, Los Angeles, 1-7.

[16] Bonneau et al. Overview and State-of-the-Art of Uncertainty Visualization, The University of Grenoble, France e-mail: Georges-Pierre.Bonneau@ujf-grenoble. fr. ISBN: 978-1-4471-6496-8

[17] Simon Barthelme, Pascal Mamassian. Evaluation of Objective Uncertainty in the Visual System. Received June 8, 2009; Accepted August 12, 2009; Published September 11, 2009.

[18] Henning Griethe et al. The Visualization of Uncertain Data: Methods and Problems. Computer Graphics, 18051 Rostock, Germany. January 2006, 2,988 reads, 36 publications, 262 citations.

[19] Deitrick, S., Edsall, R.: The influence of uncertainty visualization on decision making: An empirical evaluation. In: Progress in Spatial Data Handling, pp. 719–738. Springer Berlin Heidelberg (2006).

[20] Lundstr¨om, C., Ljung, P., Persson, A., Ynnerman, A.: Uncertainty visualization in medical volume rendering using probabilistic animation. IEEE Transactions on Visualization and Computer Graphics 13(6), 1648–1655 (2007).

[21] Pang, A., Wittenbrink, C., Lodha., S.: Approaches to uncertainty visualization. The Visual Computer 13(8), 370–390 (1997).

[22] Rudolf Netzel and Daniel Weiskopf, Texture Based Flow VisualizaTion. November 2013, Computing in Science and Engineering 15(6): 96-102,

[23] Jesus J. Caban, Alark Joshi, and Penny Rheingans. Texture-based feature tracking for effective time-varying data visualization, IEEE Transactions on Visualization and Computer Graphics (Volume: 13, Issue: 6, Nov.-Dec. 2007). **Page(s):**1472 – 1479.

[24] Sven Bachthaler, Daniel Weiskopf. Animation of Orthogonal Texture Patterns for Vector Field Visualization. IEEE Transactions on Visualization and Computer Graphics (Volume: 14, Issue: 4, July-Aug. 2008), **Page(s):**741 – 755.

[25] Jin Huang, Zherong Pan, Guoning Chen, Wei Chen, Hujun Bao. Image-Space Texture-Based Output-Coherent Surface Flow Visualization. IEEE Transactions on Visualization and Computer Graphics (Volume: 19, Issue: 9, Sept. 2013). **Page(s):**1476 – 1487.

[26] Andrea Kratz, Daniel Baum, and Ingrid Hotz. Anisotropic Sampling of Planar and Two-Manifold Domains for Texture Generation and Glyph Distribution. IEEE Transactions on Visualization and Computer Graphics (Volume: 19, Issue: 11, Nov. 2013). **Page(s):**1782 – 1794.

[27] D. Weiskopf. On the role of color in the perception of motion in animated visualizations. **Conference:**10-15 Oct. 2004, Austin, TX, USA. IEEE Visualization 2004. **ISBN:** 0-7803-8788-0.

[28] C.G. Healey; J.T. Enns. Building perceptual textures to visualize multidimensional datasets. 18-23 Oct. Research Triangle Park, NC, USA. 1998. Proceedings Visualization '98 (Cat. No.98CB36276). **ISBN:** 0-8186-9176-X**.**

[29] R.P. Botchen; D. Weiskopf; T. Ertl. Texture-based visualization of uncertainty in flow   
fields. VIS 05. IEEE Visualization, Minneapolis, MN, USA. 23-28 Oct. 2005. **ISBN:** 0-7803-9462-3.

[30] Aasim Kamal · Parashar Dhakal, et al. Recent advances and challenges in uncertainty visualization: a survey. May 2021, Journal of Visualization 24(5):1-30.

[31] Galit Shmueli, Kenneth C. Lichtendahl Jr. Practical Time Series Forecasting with R: A Hands-On Guide [2nd Edition] (Practical Analytics) Paperback – July 19, 2016. Page 18-19. ISBN-13 978-0997847918

[32] Jason Brownlee. Deep Learning Models for Univariate Time Series Forecasting. https://machinelearningmastery.com/how-to-develop-deep-learning-models-for-univariate-time-series-forecasting.

# [33] Aayush Agrawal, Building Neural Network from scratch. https://towardsdatascience. com/building-neural-network-from-scratch-9c88535bf8e9

[34] Akinori Hidaka, Takio Kurita. Consecutive Dimensionality Reduction by Canonical   
Correlation Analysis for Visualization of Convolutional Neural Networks. Conference: Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and its Applications. December 2017. Pages 160 – 167.

[35] Michael Correll, Dominik Moritz, Jeffrey Heer. Value-Suppressing Uncertainty Palettes.‬‬‬‬‬‬‬‬‬ Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems. April 2018. Paper No.: 642 Pages 1–11.

[36] Jessica Hullman. Why Authors Don’t Visualize Uncertainty.‬‬‬‬‬‬‬‬‬ IEEE Transactions on Visualization and Computer Graphic. Jan. 2020, pp. 130-139, vol. 26.

[37] Shunan Guo, Fan Du, Sana Malik, et al. Visualizing Uncertainty and Alternatives in Event Sequence Predictions. Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems. May 2019. Paper No.: 573. Pages 1–12.

[38] Michelle Korporaal, Ian T. Ruginski, and Sara Irina Fabrikant. Effects of Uncertainty   
Visualization on Map-Based Decision Making Under Time Pressure. Human-Media Interaction, a section of the journal Frontiers in Computer Science. Received: 22 May 2020. doi: 10.3389/fcomp.2020.00032.

[39] Max Schneider, Michelle McDowell et al. Effective uncertainty visualization for aftershock forecast maps. Natural Hazards and Earth System Sciences. Discussion started: 3 September 2021. https://doi.org/10.5194/nhess-2021-237.

[40] Ken Brodlie, Rodolfo Allendes Osorio, and Adriano Lopes. 2012. A review of uncertainty in data visualization. In Expanding the frontiers of visual analytics and visualization. Springer, 81–109. DOI: <http://dx.doi.org/10.1007/978-1-4471-2804-5_6>

[41] Michael Correll and Michael Gleicher. 2014. Error bars considered harmful: Exploring alternate encodings for mean and error. IEEE Transactions on Visualization and Computer Graphics 20, 12 (2014), 2142–2151. DOI: • <http://dx.doi.org/10.1109/TVCG.2014.2346298>

[42] Miriam Greis, Passant El Agroudy, et al. 2016. Decision-Making under Uncertainty:   
 How the Amount of Presented Uncertainty Influences User Behavior. In Proceedings   
 of the 9th Nordic Conference on Human-Computer Interaction. ACM, 52. DOI:   
 http://dx.doi.org/10.1145/2971485.2971535

[43] Lydia R Lucchesi and Christopher K Wikle. 2017. Visualizing uncertainty in areal data with bivariate choropleth maps, map pixelation and glyph rotation. Stat (2017). DOI:http://dx.doi.org/10.1002/sta4.150

[44] Alan M MacEachren, Robert E Roth, James O’Brien, Bonan Li, Derek Swingley, and Mark Gahegan. 2012. Visual semiotics & uncertainty visualization: An empirical study. IEEE Transactions on Visualization and Computer Graphics 18, 12 (2012), 2496–2505. DOI: http://dx.doi.org/10.1109/TVCG.2012.279

[45] Maria Riveiro. 2007. Evaluation of uncertainty visualization techniques for information fusion. In 10th International Conference on Information Fusion. IEEE, 1–8. DOI: http://dx.doi.org/10.1109/ICIF.2007.4408049

[46] Judi Thomson, Elizabeth Hetzler, Alan MacEachren, Mark Gahegan, and Misha Pavel. 2005. A typology for visualizing uncertainty. In Electronic Imaging 2005. International Society for Optics and Photonics, 146–157.

[47] N. Boukhelifa, M.-E. Perrin, S. Huron, and J. Eagan. How data workers cope with uncertainty: A task characterisation study. In Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems, pages 3645–3656. ACM, 2017.

[48] J. Hullman, X. Qiao, M. Correll, A. Kale, and M. Kay. In pursuit of error: A survey of uncertainty visualization evaluation. IEEE transactions on visualization and computer graphics, 25(1):903–913, 2019.

[49] R. Finger and A. M. Bisantz. Utilizing graphical formats to convey uncertainty in a decision-making task. Theoretical Issues in Ergonomics Science, 3(1):1–25, 2002.

[50] J. Hullman, P. Resnick, and E. Adar. Hypothetical outcome plots outperform error bars and violin plots for inferences about reliability of variable ordering. PloS one, 10(11):e0142444, 2015.

[51] M. Kay, T. Kola, J. R. Hullman, and S. A. Munson. When (ish) is my bus?: User-centered visualizations of uncertainty in everyday, mobile predictive systems. In Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems, pages 5092–5103. ACM, 2016.

# [52] M. Fernandes, L.Walls, S. Munson, J. Hullman, and M. Kay. Uncertainty displays using quantile dotplots or cdfs improve transit decision-making. In Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems, page 144. ACM, 2018.

# [53] M. Skeels, B. Lee, G. Smith, and G. G. Robertson. Revealing uncertainty for information visualization. Information Visualization, 9(1):70– 81, 2010.

# [54] C. M. Wittenbrink, A. T. Pang, and S. K. Lodha. Glyphs for visualizing uncertainty in vector fields. IEEE transactions on Visualization and Computer Graphics, 2(3):266–279, 1996.

[55] Z. Wang et al. Model identiﬁcation of reduced order

using deep learning. International Journal for Numerical Methods in Fluids. Int. J. Numer.

[56] Alan Conrad Bovik et al. Multichannel Texture Analysis Using Localized Spatial Filters. received April 18, 1988; revised June 15, 1989. Recommended for acceptance by W. E. L. Grimson. Department of Electrical and Computer Engineering, University ofTexas, Austin, TX 78712.

[57] Ying Tang, Huamin Qu et al. Natural Textures for Weather Data Visualization. August 2006.  Information Visualization, 2006. IV 2006. Tenth International Conference.

[58] Olga Scrivner, Vinita Chakilam, et al. Topic Analysis through Streamgraph via Shiny   
Application: a Social Collaborative Approach Proceedings of the 51st Hawaii International Conference on System Sciences | 2018. ISBN: 978-0-9981331-1-9

[59] Stéfan van der Walt and Nathaniel Smith. 2015. Mpl colormaps.   
 https://bids.github.io/colormap/, (2015).

[60] LeGrand H Hardy, Gertrude Rand, and M Catherine Rittler. 1945. Tests for the   
 detection and analysis of color-blindness. I. The Ishihara test: an evaluation. JOSA 35,   
 4 (1945), 268–275.

[61] Brooke, J. (1986). SUS: a "quick and dirty" usability scale. In P. W. Jordan; B. Thomas; B. A. Weerdmeester; A. L. McClelland (eds.). Usability Evaluation in Industry. London: Taylor and Francis.

[62] NASA (1986). Nasa Task Load Index (TLX) v. 1.0 Manual.

[63] Shapiro, S. S.; Wilk, M. B. (1965). "An analysis of variance test for normality (complete samples)". Biometrika. 52 (3–4): 591–611.

[64] Heidi Lam, Enrico Bertini, et al. Empirical Studies in Information Visualization:   
 Seven Scenarios. IEEE Electronic Library (IEL) Journals. 06 December 2011.   
 Page(s):1520 – 1536. ISSN: 1077-2626.  IEEE Electronic Library (IEL) Journals

[65]   S. Greenberg and B. Buxton, “Usability Evaluation Considered Harmful (Some of the   
 Time),” Proc. Conf. Human Factors in Computing Systems (CHI), pp. 217-224, 2008.

[66] J. McGrath, “Methodology Matters: Doing Research in the Behavioral and Social   
 Sciences,” Readings in Human-Computer Interaction: Toward the Year 2000, Morgan Kaufmann, 1994.

# [67] I. Scott MacKenzie, Within-subjects vs. Between-subjects Designs: Which to Use? https://www.yorku.ca/mack/RN-Counterbalancing.html